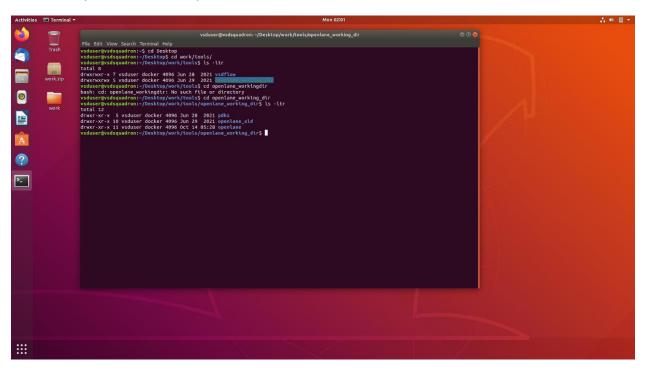
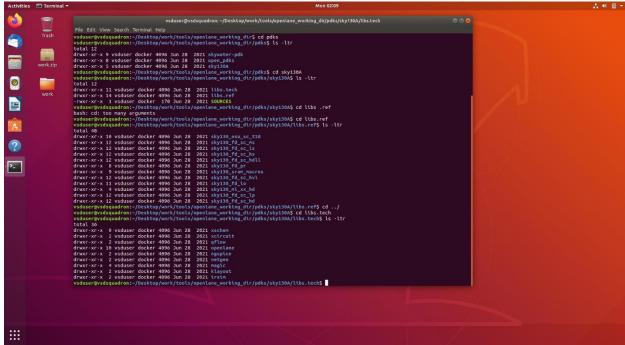
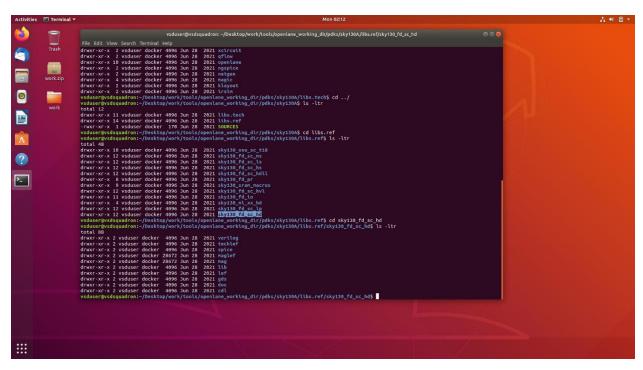
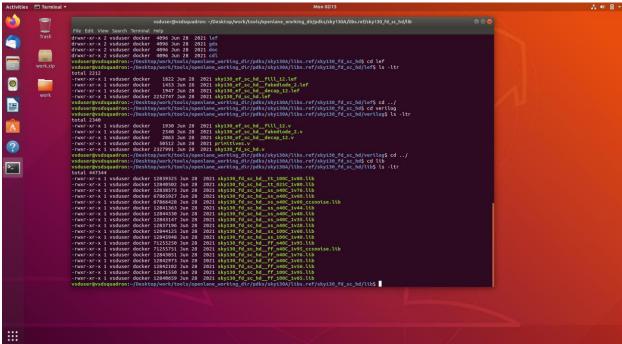
**DAY 1 Labs:** This report comprises of all commands run and various results obtained during the first day of the workshop.

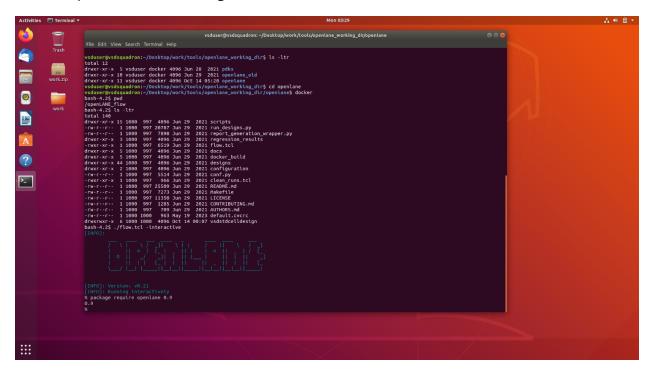




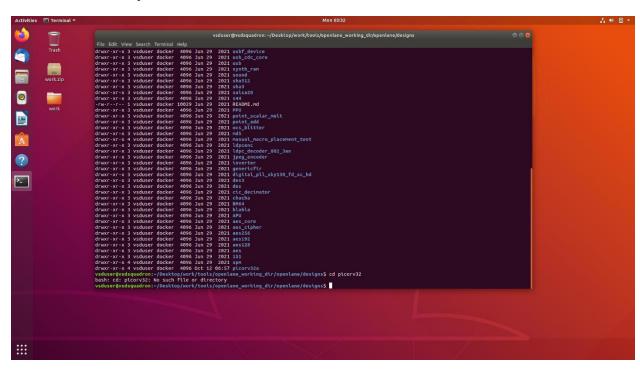


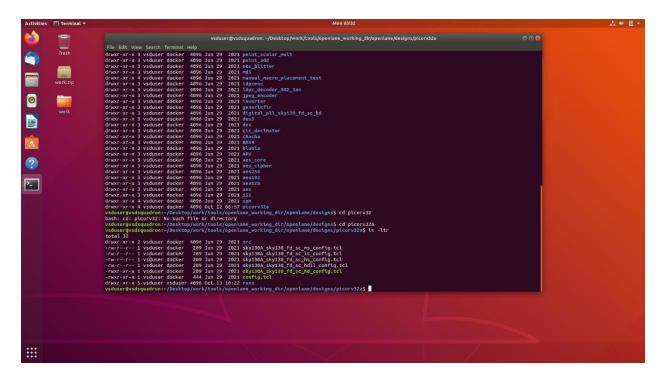


#### To start openlane the following three commands are used

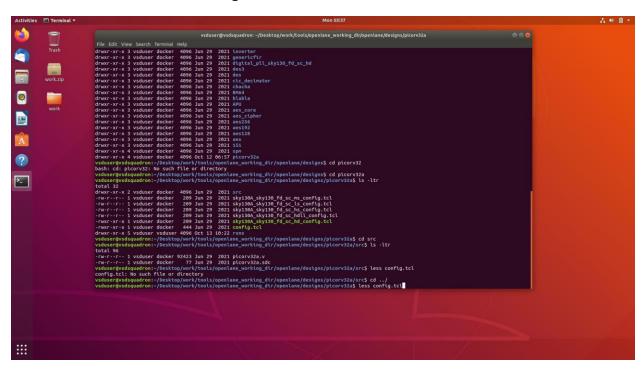


#### Picorv32a directory and its contents

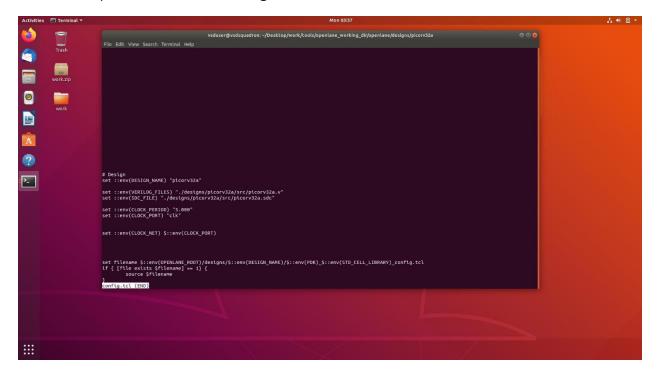




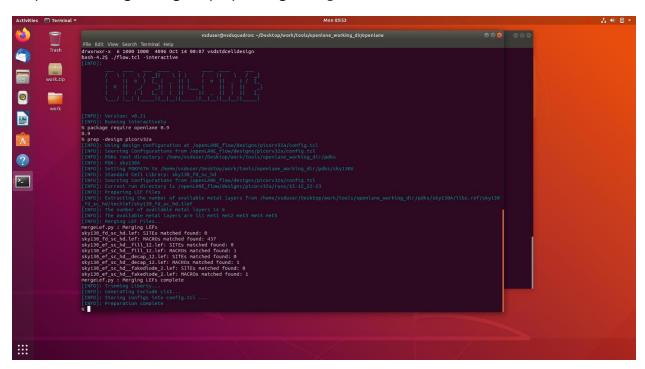
To view the contents of the config.tcl file use the less command



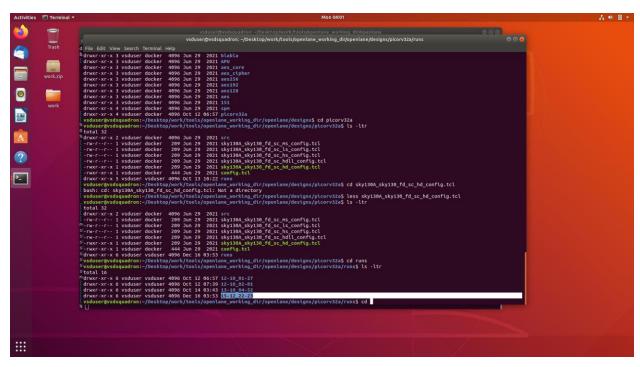
## The various parameters of the config.tcl file

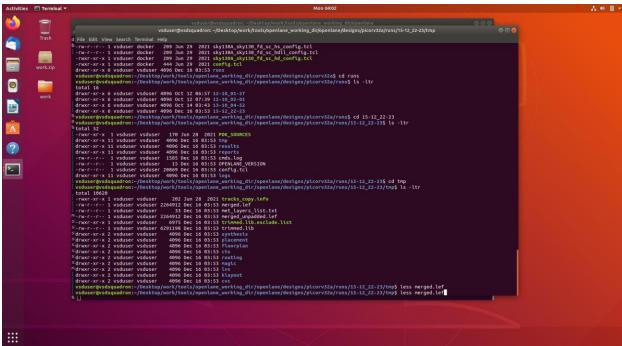


## Prepare the design using the prep -design design name command



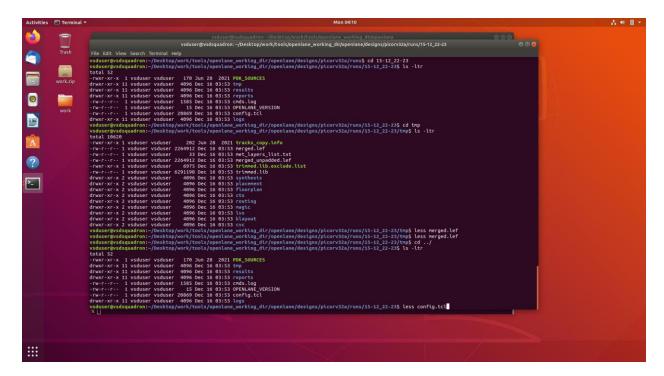
#### A new folder with the current date would be created



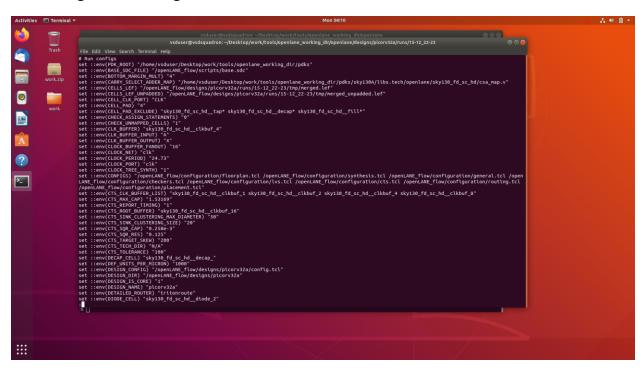


## The merged lef file contains information about the layers

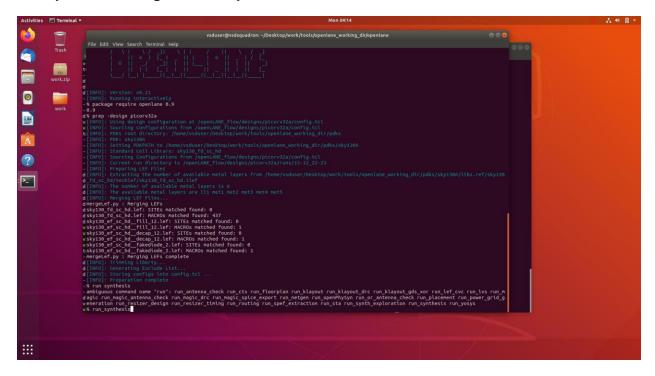
## and the pins



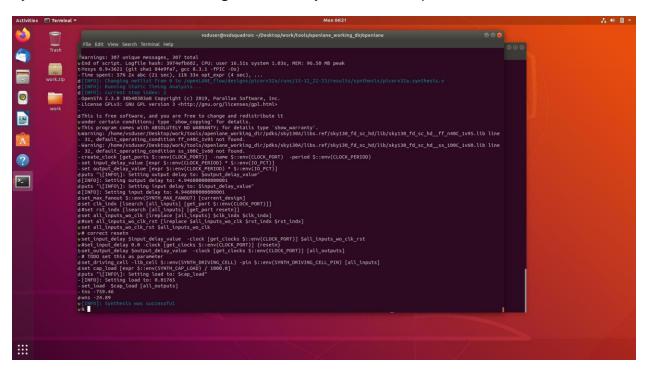
# This config.tcl contains global information



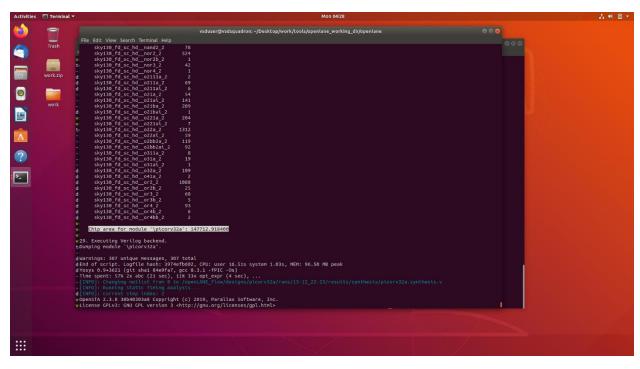
#### Run synthesis through the run\_synthesis command

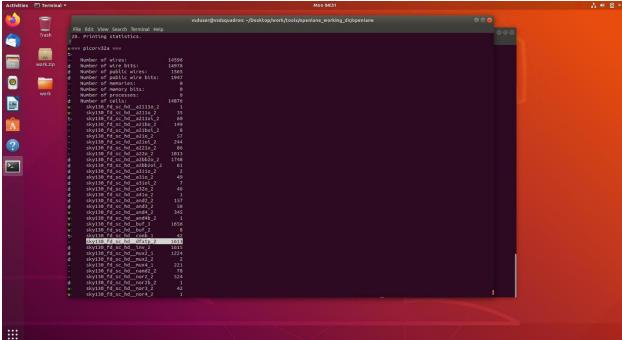


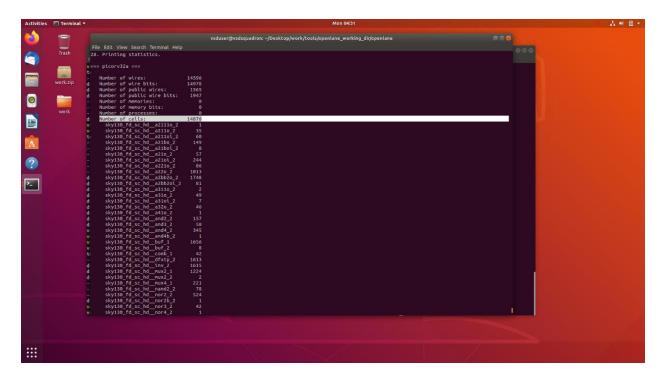
## Synthesis is successful message indicates synthesis is complete



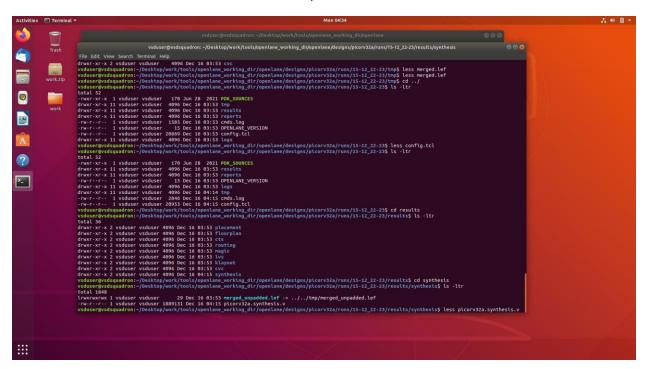
# The various reports can be seen by scrolling up a bit

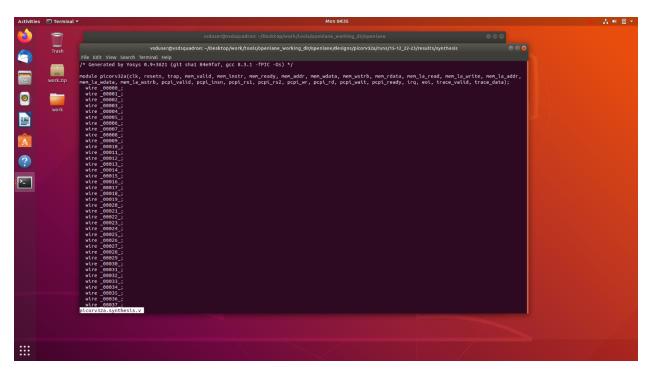


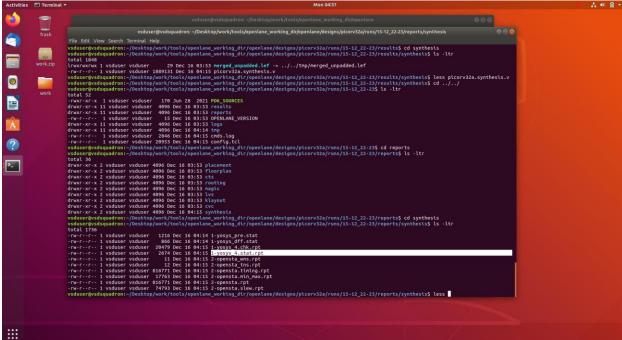


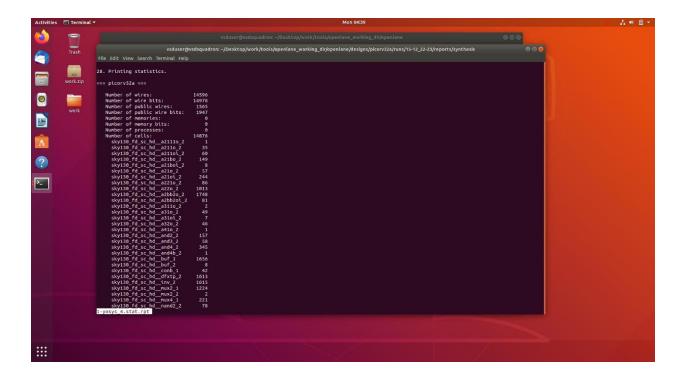


and also can be viewed in the results and reports folder









Flop ratio is the number of D-FFs divided by the number of cells which comes out to be  $0.1084\,\mathrm{or}\,10.84\%$ .